

MATERIAL SAFETY DATA SHEET

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QUELICIN

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: QUELICIN

LIST NUMBER: 4936, 4937, 6629, 6642, 6970, 8065, 9085,
9086MANUFACTURER: HOSPITAL PRODUCTS DIVISION
ABBOTT LABORATORIES
ABBOTT PARK, ILLINOIS 60064EMERGENCY TELEPHONE NUMBER: 1-847-937-7970
CHEMTREC TELEPHONE NUMBER: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: SUCCINYLCHOLINE CHLORIDE *
* HAZARDOUS PER OSHA CRITERIA.

CAS/RTECS NUMBERS: 71-27-2/GA2360000

OSHA-PEL 8HR TWA: N/L

STEL: N/L.

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER 8HR TWA: 0.05 MG/M3 (ABBOTT LABORATORIES)**

LIMITS STEL: 0.2 MG/M3 **

CEILING: N/A

** SCREEN EMPLOYEES FOR NORMAL PSEUDACHOLINESTERASE ACTIVITY BEFORE ALLOWING WORK DIRECTLY WITH SUCCINYLCHOLINE CHLORIDE IN OPEN CONTAINERS. **UP TO FOUR EXCURSIONS OF THE STEL ALLOWED, NO CLOSER THAN 1 HOUR APART, SO LONG AS THE 8-HR TWA IS MAINTAINED.

3. HAZARDS INFORMATION

EMERGENCY OVERVIEW: IN CLINICAL USE, THIS MATERIAL PRODUCES RELAXATION OF SKELETAL MUSCLES. THE ACTIVE INGREDIENT IS TOXIC BY INGESTION. TARGET ORGANS INCLUDE THE PARASYMPATHETIC NERVOUS SYSTEM (MUSCULAR SYSTEM), CARDIOVASCULAR SYSTEM, THE RESPIRATORY SYSTEM, THE EYES, AND POSSIBLY THE FETUS.

ROUTE(S) OF ENTRY: SKIN: UNLIKELY
INHALATION: UNLIKELY
INGESTION: UNLIKELY

INGESTION RATING: POSSIBLY TOXIC

SKIN ABSORPTION RATING: N/D

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3. HAZARDS INFORMATION, CONTINUED

INHALATION RATING: N/D

CORROSIVENESS RATING: N/D

SKIN CONTACT RATING: N/D

SKIN SENSITIZATION RATING: N/D

EYE CONTACT RATING: N/D

TARGET ORGANS: PARASYMPATHETIC NERVOUS SYSTEM (MUSCULAR SYSTEM),
RESPIRATORY SYSTEM, CARDIOVASCULAR SYSTEM, EYES, POSSIBLY FETUS

CARCINOGENICITY RATING: NTP: N/L IARC: N/L OSHA: N/L

ACGIH: N/L

NONE

SIGNS AND SYMPTOMS: N/D. CLINICAL DATA SUGGEST PROFOUND MUSCLE
WEAKNESS/PARALYSIS, BREATHING DIFFICULTY, CADIOVASCULAR CHANGES,
HYPERTHERMIA AND INCREASED INTRAOCULAR PRESSURE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/D. DATA SUGGEST
PRE-EXISTING HYPERSENSITIVITY TO MUSCLE RELAXANTS. MUSCLE,
RESPIRATORY, CARDIOVASCULAR, LIVER OR OCULAR IMPAIRMENTS. PLASMA
PSEUDOCHELINESTERASE DEFICIENCY. PSEUDOCHELINESTERASE MAY BE
REDUCED BY ABOUT 24% DURING PREGNANCY AND FOR SEVERAL DAYS POST
PARTUM.

4. FIRST AID MEASURES

EYES: REMOVE FROM SOURCE OF EXPOSURE. FLUSH WITH COPIOUS AMOUNTS OF
WATER. IF IRRITATION PERSISTS OR SIGNS OF TOXICITY OCCUR, SEEK
MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE
CARE MAINTAINING VENTILATION, MONITORING CARDIOVASCULAR FUNCTION AND
MAINTAINING ELECTROLYTE BALANCE, AS NECESSARY.

SKIN: REMOVE FROM SOURCE OF EXPOSURE. FLUSH WITH COPIOUS AMOUNTS OF
WATER. IF IRRITATION PERSISTS OR SIGNS OF TOXICITY OCCUR, SEEK
MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE
CARE MAINTAINING VENTILATION, MONITORING CARDIOVASCULAR FUNCTION AND
MAINTAINING ELECTROLYTE BALANCE, AS NECESSARY.

INGESTION: REMOVE FROM SOURCE OF EXPOSURE. IF SIGNS OF TOXICITY OCCUR,
SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE
SYMPTOMATIC/SUPPORTIVE CARE MAINTAINING VENTILATION, MONITORING
CARDIOVASCULAR FUNCTION AND MAINTAINING ELECTROLYTE BALANCE, AS
NECESSARY.

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4. FIRST AID MEASURES, CONTINUED

INHALATION: REMOVE FROM SOURCE OF EXPOSURE. IF SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE CARE MAINTAINING VENTILATION, MONITORING CARDIOVASCULAR FUNCTION AND MAINTAINING ELECTROLYTE BALANCE, AS NECESSARY.

5. FIRE FIGHTING PROCEDURES

FLASH POINT: NON-FLAMMABLE
FLASH POINT METHOD: N/A
LOWER EXPLOSIVE LIMIT(%): N/D
UPPER EXPLOSIVE LIMIT(%): N/D
AUTOIGNITION TEMPERATURE: N/D

FIRE & EXPLOSION HAZARDS: NONE

EXTINGUISHING MEDIA: USE MEDIA APPROPRIATE FOR PRIMARY CAUSE OF FIRE.

FIRE FIGHTING INSTRUCTIONS: NONE

6. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE PROCEDURES: ABSORB WITH SUITABLE MATERIAL, FLUSH WITH WATER.

7. HANDLING AND STORAGE

HANDLING: MAINTAIN REFRIGERATED.

STORAGE: STORE IN REFRIGERATOR @ 2-8 DEGREES C (36-46 DEGREES F).

SPECIAL PRECAUTIONS: SOLUTION IS SENSITIVE TO HEAT.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NO SPECIAL PROVISIONS ARE REQUIRED UNDER NORMAL PRODUCT USE CONDITIONS.

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION IS NOT NEEDED DURING NORMAL PRODUCT USE.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION, CONTINUED

SKIN PROTECTION: IF SKIN CONTACT IS LIKELY, NEOPRENE OR VINYL RUBBER GLOVES ARE RECOMMENDED.

EYE PROTECTION: EYE PROTECTION IS NOT REQUIRED DURING TYPICAL PRODUCT USE CONDITIONS. EYE PROTECTION IS RECOMMENDED IF EYE CONTACT IS LIKELY.

OTHER PROTECTION: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: CLEAR LIQUID
ODOR: N/A
BOILING POINT: WATER (APPROX.)
MELTING/FREEZING POINT: WATER (APPROX.)
VAPOR PRESSURE (MM HG): N/A
VAPOR DENSITY (AIR=1): N/A
EVAPORATION RATE: N/A
BULK DENSITY: N/D
SPECIFIC GRAVITY: WATER (APPROX.)
SOLUBILITY: AQUEOUS SOLUTION
PH: 3.0 - 4.5
VISCOSITY: WATER (APPROX.)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: AVOID ALKALINE AGENTS. SOLUTIONS OF THE DRUG LOSE POTENCY UNLESS REFRIGERATED.

INCOMPATIBILITIES: INCOMPATIBLE WITH ALKALINE AGENTS, SUCH AS THIOPENTAL SODIUM.

HAZARDOUS DECOMPOSITION PRODUCTS: WHEN HEATED TO DECOMPOSITION, IT EMITS VERY TOXIC FUMES OF NOX AND CL-.

HAZARDOUS POLYMERIZATION: N/D

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY: N/D. LD50 = 125 MG/KG IN MICE FOR SUCCINYLCHOLINE CHLORIDE (TOXIC).

DERMAL TOXICITY: N/D

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11. TOXICOLOGICAL INFORMATION, CONTINUED

INHALATION TOXICITY: N/D

CORROSIVENESS: N/D

DERMAL IRRITATION: N/D

OCULAR IRRITATION: N/D

DERMAL SENSITIZATION: N/D

SPECIAL TARGET ORGAN EFFECTS: N/D. IN CLINICAL USE, SUCCINYLCHOLINE

CHLORIDE PRODUCES RELAXATION/PARALYSIS OF SKELETAL MUSCLES THAT CAN
RESULT IN RESPIRATORY DEPRESSION, CARDIOVASCULAR IMPAIRMENT,
INCREASED INTRAOCULAR PRESSURE, AND MALIGNANT HYPERTHERMIA.
SUCCINYLCHOLINE CHLORIDE WAS REPORTED TO BE EMBRYO-FETOTOXIC AND
TERATOGENIC IN RATS.

CARCINOGENICITY INFORMATION: N/D

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/D

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

14. TRANSPORTATION INFORMATION

DOT STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

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14. TRANSPORTATION INFORMATION, CONTINUED

IATA/ICAO STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

IMO STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A
FLASH POINT: NON-FLAMMABLE

15. REGULATORY INFORMATION

TSCA STATUS: N/A

CERCLA STATUS: N/L

SARA STATUS: N/L

RCRA STATUS: N/L

PROP 65 (CA): N/L

16. OTHER INFORMATION

LEGEND: N/A = NOT APPLICABLE

N/D = NOT DETERMINED

N/L = NOT LISTED

L = LISTED

C = CEILING

S = SHORT-TERM

(R) = REGISTERED TRADEMARK OF ABBOTT LABORATORIES

(TM) = REGISTERED TRADEMARK OF ABBOTT LABORATORIES

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16. OTHER INFORMATION, CONTINUED

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